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OM protein - protein search, using sw model

Run on: July 30, 2004, 09:45:13 / Search time 22.8977 Seconds  
(without alignments)  
1025.858 Million cell updates/sec

Title: US-09-898-234B-2

Perfect score: 2487  
Sequence: 1 MGSLVDPDLLPLVLLKLV.....DIEEHLGPAALPPAPSLLR 455

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/2/iaa/5A COMB pep:\*  
2: /cgn2\_6/prodata/2/iaa/5B COMB pep:\*  
3: /cgn2\_6/prodata/2/iaa/6A COMB pep:\*  
4: /cgn2\_6/prodata/2/iaa/6B COMB pep:\*  
5: /cgn2\_6/prodata/2/iaa/6CTUS COMB pep:\*  
6: /cgn2\_6/prodata/2/iaa/backfiles1 pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2487	100.0	455	1	US-08-321-668-2
2	2487	100.0	455	1	US-08-837-941-2
3	2487	100.0	455	2	US-08-126-016-2
4	2487	100.0	455	3	US-08-815-469-5
5	2487	100.0	455	3	US-09-006-353A-3
6	2487	100.0	455	4	US-09-527-236A-5
7	2487	100.0	455	4	US-08-054-970-2
8	2487	100.0	455	4	US-09-565-918-4
9	2487	100.0	455	4	US-09-573-986-3
10	2487	100.0	455	4	US-09-027-287-3
11	2487	100.0	455	4	US-09-252-656B-3
12	2487	100.0	455	4	US-09-523-323-3
13	2487	100.0	455	4	US-08-756-854-5
14	2482	99.8	455	1	US-08-050-319B-25
15	2482	99.8	455	2	US-08-465-982-25
16	2481	99.8	455	4	US-08-406-824A-4
17	2463.5	99.1	909	4	US-09-013-895A-4
18	2463.5	99.1	909	4	US-09-448-868-4
19	2457	98.8	453	3	US-09-086-483A-5
20	2457	98.8	453	4	US-09-580-212-5
21	2457	98.8	453	4	US-09-769-402-5
22	2346	94.3	426	4	US-08-747-562-37
23	1558	62.6	280	3	US-08-974-022-46
24	1558	62.6	280	3	US-08-795-445A-46
25	1558	62.6	280	3	US-08-795-447A-46
26	1558	62.6	280	3	US-08-974-186-46
27	1558	62.6	280	3	US-08-795-446B-46

Sequence 12, Appl  
Sequence 46, Appl  
Sequence 2, Appl  
Sequence 48, Appl  
Sequence 21, Appl  
Sequence 8, Appl  
Sequence 8, Appl  
Sequence 6, Appl  
Sequence 6, Appl  
Sequence 2, Appl  
Sequence 57, Appl  
Sequence 2, Appl  
Sequence 57, Appl  
Sequence 2, Appl  
Sequence 12, Appl

28 1558 62.6 280 4 US-08-706-945D-132  
29 1558 62.6 280 4 US-08-577-788C-46  
30 1517 61.0 471 4 US-09-513-007-2  
31 1124 45.2 199 1 US-08-050-319B-48  
32 1124 45.2 199 2 US-08-465-982-48  
33 1121 45.1 197 4 US-08-828-683A-21  
34 1005.5 40.4 336 3 US-08-804-166-8  
35 1005.5 40.4 336 3 US-08-910-991-8  
36 1005.5 40.4 336 3 US-09-756-186-8  
37 979 39.4 285 3 US-08-910-991-6  
38 979 39.4 285 3 US-09-756-186-6  
39 979 39.4 285 4 US-08-050-319B-2  
40 946 38.0 167 1 US-08-050-319B-57  
41 946 38.0 167 2 US-08-465-982-2  
42 946 38.0 167 2 US-08-465-982-2  
43 946 38.0 167 2 US-08-465-982-2  
44 941 37.8 161 4 US-09-326-394-2  
45 904 36.3 154 4 US-08-828-683A-12

ALIGNMENTS

RESULT 1  
US-08-321-668-2  
Sequence 2, Application US/08321668  
Patent No. 5665859  
GENERAL INFORMATION:  
APPLICANT: WALLACH, David  
APPLICANT: BRAKEBUSCH, Cord  
APPLICANT: VARPOLOMEV, Eugene  
APPLICANT: BARKIN, Michael  
TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF  
TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE  
NUMBER OF SEQUENCES: 42  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION NUMBER: US/08321,668  
FILING DATE: 12-OCT-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: IL 107268  
FILING DATE: 12-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,518  
REFERENCE/DOCKET NUMBER: WALLACH-13  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
TELEX: 248633  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 455 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-321-668-2

Query Match 100.0%; Score 2487; DB 1; Length 455;  
Best Local Similarity 100.0%; Pred. No. 1.1e-202;  
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MGLSTVPDLLPLVLELLVGIYPSGVLVPHLGDREKDSVCPQKVIHPQNSICT 60  
 1 MGLSTVPDLLPLVLELLVGIYPSGVLVPHLGDREKDSVCPQKVIHPQNSICT 60  
 61 KKHGTYLYNDPCPGQDTCRECSGSFTASENHLRHCLSCSKCKEMGOVEISSCTVD 120  
 61 KKHGTYLYNDPCPGQDTCRECSGSFTASENHLRHCLSCSKCKEMGOVEISSCTVD 120  
 121 RDTVCGCRNOYHYWSENLFQCFNCSLCLNGTVHLSCQKONTVCTCHAGFLRENECV 180  
 121 RDTVCGCRNOYHYWSENLFQCFNCSLCLNGTVHLSCQKONTVCTCHAGFLRENECV 180  
 181 SCSCNCKSLECTKLCLOIENVKGTDSGTTVLLPLVIFPGCLLSLLFGLMYRYQWK 240  
 181 SCSCNCKSLECTKLCLOIENVKGTDSGTTVLLPLVIFPGCLLSLLFGLMYRYQWK 240  
 241 SKLYSIVCGKSTPEKEGELEGTITKPLAPNPSFTPGTPTLGFSPVPSSTFTSSSTYT 300  
 241 SKLYSIVCGKSTPEKEGELEGTITKPLAPNPSFTPGTPTLGFSPVPSSTFTSSSTYT 300  
 301 PGDCPNFAAPRRVAPYQADPILATALASDPIPNPLOWEDSAHKQSLDTPDPAATLY 360  
 301 PGDCPNFAAPRRVAPYQADPILATALASDPIPNPLOWEDSAHKQSLDTPDPAATLY 360  
 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLEAQYSMLATWRRRTPRREATLEL 420  
 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLEAQYSMLATWRRRTPRREATLEL 420  
 421 LGRVLRMDLLGCLIEDIEALCGPAALPPAPSLR 455  
 421 LGRVLRMDLLGCLIEDIEALCGPAALPPAPSLR 455

RESULT 2

US-08-837-941-2  
 ; Sequence 2, Application US/08837941  
 ; Patent No. 5766917  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WALLACH, David  
 ; APPLICANT: BRAKEBUSCH, Cord  
 ; APPLICANT: VARPOLOMER, Eugene  
 ; APPLICANT: RATKIN, Michael  
 ; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF  
 ; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE  
 ; NUMBER OF SEQUENCES: 42  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: BROWDY AND NEIMARK  
 ; STREET: 419 Seventh Street, N.W., Suite 300  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20004  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/837,941  
 ; FILING DATE: 28-APR-1997  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/321,668  
 ; FILING DATE: 12-OCT-1994  
 ; APPLICATION NUMBER: IL 107268  
 ; FILING DATE: 12-OCT-1993  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: BROWDY, Roger L.  
 ; REFERENCE/DOCKET NUMBER: 25,618  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

TELEX: 248633

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 455 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-837-941-2

Query Match: 100.0%; Score 2487; DB 1; Length 455;

Best Local Similarity 100.0%; Pred. No. 1.1e-202; Indels 0; Gaps 0;

Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MGLSTVPDLLPLVLELLVGIYPSGVLVPHLGDREKDSVCPQKVIHPQNSICT 60  
 DB 1 MGLSTVPDLLPLVLELLVGIYPSGVLVPHLGDREKDSVCPQKVIHPQNSICT 60  
 QY 61 KKHGTYLYNDPCPGQDTCRECSGSFTASENHLRHCLSCSKCKEMGOVEISSCTVD 120  
 DB 61 KKHGTYLYNDPCPGQDTCRECSGSFTASENHLRHCLSCSKCKEMGOVEISSCTVD 120  
 QY 121 RDTVCGCRNOYHYWSENLFQCFNCSLCLNGTVHLSCQKONTVCTCHAGFLRENECV 180  
 DB 121 RDTVCGCRNOYHYWSENLFQCFNCSLCLNGTVHLSCQKONTVCTCHAGFLRENECV 180  
 QY 181 SCSCNCKSLECTKLCLOIENVKGTDSGTTVLLPLVIFPGCLLSLLFGLMYRYQWK 240  
 DB 181 SCSCNCKSLECTKLCLOIENVKGTDSGTTVLLPLVIFPGCLLSLLFGLMYRYQWK 240  
 QY 241 SKLYSIVCGKSTPEKEGELEGTITKPLAPNPSFTPGTPTLGFSPVPSSTFTSSSTYT 300  
 DB 241 SKLYSIVCGKSTPEKEGELEGTITKPLAPNPSFTPGTPTLGFSPVPSSTFTSSSTYT 300  
 QY 301 PGDCPNFAAPRRVAPYQADPILATALASDPIPNPLOWEDSAHKQSLDTPDPAATLY 360  
 DB 301 PGDCPNFAAPRRVAPYQADPILATALASDPIPNPLOWEDSAHKQSLDTPDPAATLY 360  
 QY 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLEAQYSMLATWRRRTPRREATLEL 420  
 DB 361 AVVENVPPLRWKEFVRRLGLSDHEIDRLQNGRCLEAQYSMLATWRRRTPRREATLEL 420  
 QY 421 LGRVLRMDLLGCLIEDIEALCGPAALPPAPSLR 455  
 DB 421 LGRVLRMDLLGCLIEDIEALCGPAALPPAPSLR 455

RESULT 3

US-08-126-016-2  
 ; Sequence 2, Application US/08126016  
 ; Patent No. 5811261  
 ; GENERAL INFORMATION:  
 ; APPLICANT: WALLACH, DAVID  
 ; APPLICANT: NOPHAR, YAFON  
 ; APPLICANT: KEMPER, OLIVER  
 ; APPLICANT: ENGELMANN, HARTMUT  
 ; APPLICANT: BRAKEBUSCH, CORD  
 ; APPLICANT: ADERKA, DAN  
 ; TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR  
 ; TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN I (TBP-I)  
 ; NUMBER OF SEQUENCES: 26  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Browdy and Neimark  
 ; STREET: 419 Seventh Street, N.W., Suite 300  
 ; CITY: Washington  
 ; STATE: DC  
 ; COUNTRY: USA  
 ; ZIP: 20004  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patent In Release #1.0, Version #1.25